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(54) LASER MARKING METHOD AND PRINTING INK

(57)Abstract:

PURPOSE: To form laser color developed layers in arbitrary patterns and to obtain non-destructive marking by subjecting the printed parts of a base material printed with printing ink contg. a color developer, developer and sensitizer to irradiation with a laser.

CONSTITUTION: The laser color developed layers are formed in the arbitrary patterns and the non-destructive marking is executed if the printed parts of the base material, such as label, printed with the printing ink for gravure printing contg. the color developer such as leuco dye, the developer such as methyl compd. of a phenolic compd., and the sensitizer such as zinc borate, are subjected to the irradiation with the laser, for example.